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Clay County Transfer Station

P. O. Box 118
1160 Hinton Center Rd.
Hayesville, NC 28904
zca93879@brmemc.net
828-389-6197

10/27/2015

Allen Gaither
NCDENR
2090 U.S. 70 Highway
Swannanoa, NC 28778

Dear Mr. Gaither:

On behalf of the Clay County Transfer Station, I would like to request a five-year renewal of our Permit to Operate. A copy of our latest operations plan is enclosed. Please let me know if you have any questions.

Sincerely,

Billy Chastain
Clay County Solid Waste Supervisor

Billy Chastain

RECEIVED

NOV 2 2015

SOLID WASTE SECTION
ASHEVILLE REGIONAL OFFICE

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I. INTRODUCTION

A. Purpose of Plan

This operation plan has been developed for the Solid Waste Transfer Station and Convenience Center located in Clay County, North Carolina. It has been prepared in accordance with the requirements of the North Carolina Department of Environment and Natural Resources (DENR), Division of Solid Waste Management, Solid Waste Rules (15A NCAC 13B).

The purpose of this plan is to provide the owner/operator a reference manual that includes necessary information and procedures for properly operating the transfer station and convenience center and complying with all applicable rules concerning their operation. All personnel involved with the management or supervision of the facility operations will be required to review the Operation Plan and maintain the facility in conformance with applicable requirements. A copy of the Operation Plan will be kept in the vicinity of the transfer station at all times.

B. Facility Location

The facility is located on Hinton Center Road (SR 1148), approximately two (2) miles southeast of the town limits of Hayesville, on land that is part of the closed Clay County Landfill.

C. Service Area

The transfer station and convenience center serves the residents and businesses located in Clay County.

II. OPERATIONS

A. Overview

The transfer station consists of a pre-engineered metal building with a single loading bay. Incoming waste collection vehicles deposit municipal solid waste (MSW) onto the tipping floor or directly into an open-top trailer. These trailers are provided by Stafford (a private hauler subcontracted by Waste Management) who hauls the MSW to a Subtitle D Landfill in Pine Bluff, Cherokee County, Georgia. In accordance with DENR Solid Waste Management Regulations, no putrescible wastes are allowed to remain at the transfer station at the end of the working day unless it is stored in containers designed for waste storage. Refuse too large or otherwise not suitable for storage in containers is stored in a nuisance free manner consistent with requirements of Clay County.

The recycling convenience center consists of a pre-engineered metal building with one open side and one recessed trailer bay to one side. White goods and scrap metal are received on a concrete pad beside the building. All other recyclables are deposited in containers inside the building or outside, in covered areas with concrete floors, (oil, anti-freeze, plastic, oil filters). Recyclables include electronics, paper, cardboard, aluminum cans, metal cans, white goods, scrap metal, batteries, oil, anti-freeze, oil filters, #1 plastic, #2 plastic, propane cylinders and mixed paper. One uncovered trailer bay is located adjacent to the outside concrete pad for loading white goods and scrap metal. One two bay trailer bay and one single trailer bay is located behind the transfer station. One bay is used for a storage trailer (paper), one for loading bulk recyclables, and one for a trailer receiving used tires.

At present recyclables are purchased and transported by various buyers on an as needed basis. Tires are picked up by Northeast Georgia Tire Recyclers. Freon is removed by various vendors on an as needed basis, and marked with a red x until transported with the scrap metal. Synergy takes all electronics. Desota Trail buys all white goods, scrap metal, aluminum cans and metal cans. Interstate batteries buys the used batteries. It is planned that Waste Management will take over all activities mentioned in this paragraph in the near future.

Normal working hours for the facility are 8:00AM to 4:55PM Monday, Tuesday, Thursday, Friday, and Saturday. It is closed on Sunday, Wednesday, New Years day, Good Friday, Memorial Day, Labor Day, Thanksgiving Day, and two days for Christmas. Note: facility personnel will continue to load trailers after the regularly scheduled hours if necessary.

B. Personnel

The facility is owned by Clay County and operated by Clay County and Waste Management. A minimum of two workers are required for daily operation. These individuals are properly trained in safety procedures and the inspection of incoming wastes (refer to Part II, Section C, "Inspection of Wastes"). Training material published by the Solid Waste Association of North America (SWANA) is used for initial training of on-site personnel and for continuing education. Employees also direct and coordinate the movement of vehicles to and from unloading areas.

C. Inspection of Wastes

Access is controlled by properly trained employees located at the entrance of the facility. All the contents of vehicles are emptied onto the tipping floor. An employee will conduct periodic visual inspections of the waste materials. If unacceptable waste is found, the driver of the appropriate vehicle will be instructed to terminate dumping and the unacceptable waste will be reloaded onto the original vehicle for removal from the site.

Examples of unacceptable waste includes asbestos, large loads of animal or liquid waste, sludge, drums that have not been emptied and crushed prior to delivery, and containers either smoking or emitting noxious vapors ("hot loads"). Also, infectious or medical waste haulers are to be notified that the facility does not accept such wastes and they must transport these wastes to an approved disposal facility.

Waste collection agreements are kept on file for each of the waste delivery accounts and allow the transfer station operator to maintain accountability of haulers using the facility. If any hauler using the station develops a pattern of deceptive waste identification in order to circumvent proper regulation, the DENR Asheville Regional Office will be notified within 24 hours of attempted disposal (see Appendix A). They will be informed of the hauler's identification and what type of waste is involved so that follow-up investigations can be conducted, if necessary.

If hazardous waste is identified during vehicle dumping, transfer station personnel will immediately notify the driver and if necessary, contact DENR and the Hazardous Materials Regional Response Team (see Appendix A). The appropriate information concerning the waste will be provided to those officials and the recommended steps will be taken until properly trained handlers of hazardous waste arrive on-site.

The above limitations on the types of wastes that will be accepted do not circumvent the incidental wastes that may be found in the residential waste stream that is expected at the facility.

D. Traffic Control

As vehicles arrive at the facility, site personnel direct the driver to position the vehicle at the correct unloading location once there is sufficient room to maneuver. When the contents of the vehicle are emptied, the driver is instructed to move the vehicle away from the tipping floor. Directional signs located at the facility aid traffic control. At no time will waiting trucks be allowed to sit idle on Hinton Center Road.

During times when more than two trucks are at the tipping area, haulers are instructed to wait in the paved area in front of the tipping floor. The tipping area allows for a maximum of two trucks to dump simultaneously.

E. Housekeeping, Litter and Vector Control

Incoming commercial wastes are transported to the transfer station in covered or enclosed vehicles. Outgoing transfer trailers are also covered or enclosed. Throughout the day and at the end of each working day, facility personnel police the building and surrounding site for litter. Collected litter is placed in containers for proper disposal. Trench drains are located in the center and on either end of the floor beneath the transfer bay area. The central trench has a pipe connection to a 1000 gallon leachate collection tank, and leachate is pumped and hauled by Henson Septic of Hayesville on an on-call basis. The tank is checked by personnel at least once every two days, and it is pumped approximately once a month. A chemically inert sorbent material is spread onto any liquid spills on the tipping floor or scale area. This material is then collected and placed into the open-top trailer in place at the facility.

Odors are controlled by prompt unloading and transfer of all delivered wastes at the transfer station. Since access to the tipping floor is completely open, adequate fresh air exchange is ensured. Each transfer trailer has a capacity of approximately 22 tons. Clay County produces enough waste to fill a trailer every one or two days. During holidays and the summer, from one to three trailers may be filled. Waste could remain on site for a period as long as 72 hours due to weekends or holidays. In such cases, waste will be stored in covered transfer trailers in accordance with DENR Solid Waste Management Regulations.

The daily removal of solid waste in conjunction with daily housekeeping procedures effectively controls the development of vector-related problems. The tipping floor and trailer parking areas are constructed of concrete, which is a relatively impervious and readily cleaned material. Floor and equipment cleaning at the transfer station also reduces both odor and vector problems. As described previously, a chemically inert sorbent material is used to collect liquids at the transfer station. Licensed exterminators are also available to visit the transfer station if needed.

F. Dust and Fire Control

Since collection and transfer vehicles travel at low speeds on paved roads, dust generation is not a problem. Furthermore, a yard hydrant is available at the facility if watering of the access roads becomes necessary during extremely dry weather.

Fire control is provided by portable hand-held fire extinguishers located in the tipping area and scalehouse. A yard hydrant is also located at the transfer station building to help control a small fire. Fire protection is provided by the local fire department, which is aware of the fire control needs of the facility. In the event that a fire occurs, the local authorities will be notified immediately. The telephone numbers of local fire, police, ambulance and hospital facilities are posted in and around the facility at all times. If a fire occurs at the facility, the DENR will be notified within 24 hours and written notification will be submitted within 15 days.

G. Wastewater Collection

Wastewater generation is minimized by the metal roof buildings which cover the tipping floor, loading bay and recyclables. Wastewater flow at the transfer station consists of minor volumes of seepage from the incoming MSW, which are collected either in the central trench drain or with a chemically inert sorbent material.

H. Stormwater Management and Erosion Control

Areas adjacent to the transfer station are graded away from the facility. Trench drains are also placed at the entrances to the loading bay areas in order to keep stormwater from reaching the leachate storage tank. The loading bay floor is sloped toward the interior drain, which will assure that leachate cannot reach the outer trench drains. Gutters and downspouts are also positioned to divert discharge of stormwater down-gradient of the transfer station.

Due to the construction site being smaller than one acre in size, an erosion control permit was not required. However, standard erosion control practices, such as silt fencing, vegetating slopes, and diversion ditches were utilized at the site. Due to these measures, mixing of stormwater and wastewater at the facility will be minimized.

I. Zoning

The transfer station site is not currently zoned. Refer to Appendix B for a letter from the county where this is indicated.

J. Facility Inspections

Regular maintenance inspections of the facility are conducted by site personnel who are familiar with the buildings and equipment at the site, as well as operations of the facility. Monthly inspections, at a minimum, include inspections of the following:

1. Transfer trailers
2. Building and foundations
3. Retaining wall and push walls
4. Fire extinguishers
5. Electrical systems
6. Floor drains and yard hydrant

If unsatisfactory conditions are noted during the inspection or by transfer station personnel at any other time, the concerns will be reported to the Clay County Manager (see Appendix A). If a threat to safety or to the environment is identified, immediate action will be taken to correct the situation. Operations at the transfer station may be temporarily suspended until the proper corrective actions are complete. In the unlikely event of a severe accident, the proper authorities will be notified and off-site support requested.

APPENDIX A
Emergency Contact Information

DENR, Asheville Regional Office		828-296-4500
Hazardous Materials Regional Response Team (RRT)	Asheville Fire-Rescue	828-444-2894 (pager) 828-252-1110 (dispatch)
County Manager		828-389-0089

APPENDIX B
Zoning Letter

CLAY COUNTY

P.O. Box 118 • Hayesville, North Carolina 28904 • (828) 389-0089

March 14, 2006

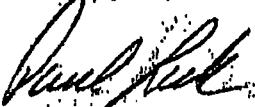
Mr. Nate Bowe
McGill Associates, P.A.
55 Broad Street,
Asheville, NC 28801

Re: County Zoning

Dear Mr. Bowe:

At the present time there is no zoning in Clay County. If I can be of any assistance please do not hesitate to contact me.

Sincerely,



Paul Leek, County Manager

Commissioners:

Chairman: Stephen C. Sellers • Dwight Penland • Paul Jordan

APPENDIX C
ELECTRONIS PLAN

Clay County Electronics Plan

- A. We currently use Synergy for electronics recycling. There is one collection site and it is located at our existing Transfer Station. Clay County recycles TVs, gaming systems, computer equipment, printers, copiers, phones, wires, cables, stereo equipment, computer keyboards, mice, cameras, routers, iPods, radios, e-readers, video recorders, small musical keyboards, tape recorders, etc.
- B. We have a handout that we give to new customers and anyone inquiring about our recycling program. Also, at least one article is published in our local newspaper per year and our information is available on our county website at www.clayconc.com. We cooperate with our school system in giving tours and educating the students on our program and procedures of recycling.
- C. We use the actual weight received from the invoice of the buyer and from our own records (our records include pallet weight).
- D. All electronics items discarded by the town and county governments are brought to our facility as per directions from our Town Mayor and County Manager.
- E. We have separate line items for funds received from the State and for expenditures for electronics and recycling.
- F. Synergy's contract and certificates are included.



Certificate of Registration

This certifies

Synergy Recycling, LLC

320 South Gibson Drive
Madison, North Carolina, 27025, United States

has been assessed by NSF-ISR and found to be in conformance to the following standard(s):

Responsible Recycling® (R2):2013

The organization has been audited by a certification body that is in conformance with ISO/IEC 17021 requirements and applicable ANAB requirements as applied by the R2 code of practices

Scope of Registration:

Electronics recycling, recovery and scrap reclamation and their associated products and services.



Certificate Number: C0098794-R22
Certificate Issue Date: 13-MAY-2014
Registration Date: 13-MAY-2014
Expiration Date *: 12-MAY-2017

Carl Blazik,
Vice President, Technical
Operations, NSF-ISR, Ltd.

NSF International Strategic Registrations

789 North Dixboro Road, Ann Arbor, Michigan 48105 | (888) NSF-9000 | www.nsf-isr.org

Authorized Registration and/or Accreditation Marks. This certificate is property of NSF-ISR and must be returned upon request.
*Company is audited for conformance at regular intervals. To verify registrations call (888) NSF-9000 or visit our web site at www.nsf-isr.org



Certificate of Registration

This certifies

Synergy Recycling, LLC

320 South Gibson Drive
Madison, North Carolina, 27025, United States

has been assessed by NSF-ISR and found to be in conformance to the following standard(s):

RIOS:2006

The organization has been audited by a certification body that is in conformance with ISO/IEC 17021 requirements and applicable ANAB requirements

Scope of Registration:

Electronics recycling, recovery and scrap reclamation and their associated products and services.



Certificate Number: C0098794-R13
Certificate Issue Date: 13-MAY-2014
Registration Date: 13-MAY-2014
Expiration Date *: 12-MAY-2017

Carl Blazik,
Vice President, Technical
Operations, NSF-ISR, Ltd.

NSF International Strategic Registrations

729 North Dixboro Road, Ann Arbor, Michigan 48105 | (888) NSF-9000 | www.nsf-isr.org

Authorized Registration and/or Accreditation Marks. This certificate is property of NSF-ISR and must be returned upon request.
*Company is audited for conformance at regular intervals. To verify registrations call (888) NSF-9000 or visit our web site at www.nsf-isr.org

- o Dirt or debris
- o Aerosol cans
- o Fire extinguishers
- o Oil filled heaters
- o Items containing refrigerants
- o Glass and/or ceramic

*This list may not be all inclusive. If an item is in question, please contact your Synergy Recycling Account Executive. If any unacceptable material is received, customer is subject to charge.

- This document contains confidential information and cannot be duplicated or transmitted to other parties without the written approval of Synergy and the client.

Proposal prepared by:

Megan Benham

Account Executive

Synergy Recycling, LLC

mbenham@synergyrecycling.com

Mobile: 765-438-1297

Proposal Accepted by:

Client Representative

Date



Synergy Recycling
specializing in electronics recycling

Date: 1/14/2015

Service/Material Quote

Client Purchase Order Number: N/A

ADDITIONAL TERMS AND CONDITIONS

Packaging

- Materials should be packaged on pallets, in containers, or in such a manner as to allow unloading using a motorized forklift. Materials should be sorted into the following categories:
 - Computer monitors should be separated from other materials and placed loose wrapped on a pallet with cardboard between layers, we recommend placing similar sizes on pallets (e.g. 14-15" on one pallet, 17" on a pallet and 19-21" on another).
 - All televisions should be separated from other materials and wrapped on a pallet.
 - All CPU's should be separated from other materials and wrapped on a pallet.
 - Inkjet printers, keyboards, mice and other peripherals or miscellaneous electronic items may be mixed in gaylord boxes or other suitable containers.
 - LaserJet printers may be stacked on pallets and shrink wrapped.
 - **If items are not prepared to this specification, customer must agree to appropriate labor rate for packaging,**

Transportation

- If customer is providing transportation, please contact your Synergy Recycling representative at 765-438-1297 prior to sending material; this is required to schedule dock time for unloading, processing and documentation of the material.
- If Synergy is providing transportation, please advise to dock hours and appointment schedules.

Other Items

- This quote will be valid for a period of 30 days from date of quote. All additions, subtractions, or changes to quote must be done with written approval of Synergy Recycling. Once this quote is accepted by the client, pricing will be valid for the entirety of the relationship between Synergy and the client, unless it renegotiated by either party.
- "Complete CPU" defined as complete containing all components (may be missing hard drive) as it was originally built.
- "Incomplete CPU" defined as units not containing all components and drives as it was originally built.
- Customer warrants that no liquid or unacceptable wastes will be shipped to Synergy Recycling. A list of unacceptable material follows.

- Compressed gases, including propane tanks
- Hazardous waste
- Explosive materials
- Flammable or ignitable materials
- Reactive or toxic chemicals
- Wood
- Rubber
- Tar
- Insulation
- Materials that contain polychlorinated biphenyls (PCBs)
- Materials that contain asbestos
- Infectious substances
- Medical waste
- Radioactive materials
- Garbage
- Rags



Synergy Recycling
specializing in electronics recycling

Date: 1/14/2015

Service/Material Quote

Client Purchase Order Number: N/A

Client Invoice / Rebate Address

Company: Clay County, NC
Attn: Larry Hogsed
Address: TBD
Hayesville, NC
Phone: 828-389-9133
Email: tractorfreak003@gmail.com

Client Material Address (if different)

Company:
Attn:
Address: TBD
Phone:
Email:

Job Scope: Synergy Recycling, LLC is proposing to manage your electronics materials for recycling. All commodities will be managed in accordance with applicable local, state and federal laws, rules and regulations.

FOB: Client Location

TERMS: NET 30 DAYS

COMMODITY- MATERIAL DESCRIPTION	Price	Unit	Comments
DESKTOP COMPUTERS- COMPLETE	\$0.30	LB	PAYMENT
DESKTOP COMPUTERS- INCOMPLETE	\$0.15	LB	PAYMENT
MONITORS	\$0.12	LB	CHARGE
TELEVISIONS	\$0.15	LB	CHARGE
MISCELLANEOUS ELECTRONICS	\$0.03	LB	PAYMENT
WIRE (CORDS AND CABLES)	\$0.45	LB	PAYMENT

SERVICE DESCRIPTION	Price	Unit	Comments
TRANSPORTATION	\$775.00	TRIP	CHARGE PER PICKUP

